

Title (en)  
FLAME-RETARDANT RESIN COMPOSITION

Title (de)  
FLAMENGESCHÜTZTE HARZZUSAMMENSETZUNG

Title (fr)  
COMPOSITION DE RESINE IGNIFUGE

Publication  
**EP 0982361 A1 20000301 (EN)**

Application  
**EP 99907926 A 19990315**

Priority  
• JP 9901242 W 19990315  
• JP 7394698 A 19980323  
• JP 16941398 A 19980617

Abstract (en)  
A flame-retardant resin composition comprising 100 parts by weight of a polyolefinic resin, from 50 to 300 parts by weight of aluminium hydroxide and/or magnesium hydroxide, and from 0.1 to 100 parts by weight of a block copolymer composed of polymer blocks containing from 50 to 100 mol% of olefinic monomer units and polymer blocks containing from 0.1 to 100 mol% of vinylic monomer units having at least one functional group selected from a carboxyl group, an epoxy group, a hydroxyl group, a carboxylic anhydride group, and a group of the following general formula: - Si-R<1><R<2>)(R<3>) wherein R<1>, R<2> and R<3> each represent a halogen atom, a vinyl group, an alkyl group or an alkoxyl group, has the advantages of good melt moldability, good flame retardancy and good mechanical properties. The flame-retardant materials as obtained by melt-molding the flame-retardant resin composition have many applications requiring flame retardancy, and are favorably used as cable coating materials, electric insulators, constructional gaskets, constructional partitions, floors, walls, car parts, etc.

IPC 1-7  
**C08L 23/00**; **C08L 53/00**; **C08K 3/22**

IPC 8 full level  
**C08K 3/22** (2006.01); **C08K 5/5425** (2006.01); **C08L 23/00** (2006.01); **C08L 23/02** (2006.01); **C08L 53/00** (2006.01)

CPC (source: EP KR)  
**C08F 293/005** (2013.01 - EP); **C08K 3/22** (2013.01 - KR); **C08K 5/5425** (2013.01 - EP KR); **C08L 23/00** (2013.01 - KR); **C08L 23/02** (2013.01 - EP KR); **C08L 53/00** (2013.01 - EP KR); **C08K 2003/2224** (2013.01 - KR); **C08K 2003/2227** (2013.01 - KR); **C08L 2201/02** (2013.01 - EP KR)

Cited by  
CN102250406A; CN102321294A; EP3196218A4; US10435558B2; US7144941B2

Designated contracting state (EPC)  
BE DE FR GB LU NL

DOCDB simple family (publication)  
**EP 0982361 A1 20000301**; **EP 0982361 A4 20010516**; CA 2291662 A1 19990930; CN 1262698 A 20000809; JP 3784538 B2 20060614; JP H11335496 A 19991207; KR 20010012885 A 20010226; WO 9948971 A1 19990930

DOCDB simple family (application)  
**EP 99907926 A 19990315**; CA 2291662 A 19990315; CN 99800370 A 19990315; JP 16941398 A 19980617; JP 9901242 W 19990315; KR 19997010851 A 19991123